

Amendment Under 37 C.F.R. § 1.312
U.S. Patent Appln. S.N.: 10/801,638
SUGHRUE MION, PLLC Ref: Q80393

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1 (previously presented): A display panel driving method for driving a display panel formed with a plurality of pixel cells serving as pixels on each of n display lines every plural sub-fields which make up each field of an input video signal for providing a gradation display,

wherein:

each of said sub-field includes:

an addressing stage for scanning each of pixel cells formed on each of said n display lines from one display line to another to set said pixel cells into either a light emission mode or a light extinction mode based on the input video signal, and a sustain stage for forcing only said pixel cells set in the light emission mode to emit light for a duration corresponding to said sub-field; and

wherein a set of scanning modes including a progressive scanning mode and a plurality of interlaced scanning modes which respectively have different numbers of skipping lines is prepared, and a scanning mode is changed from one of said set of scanning modes to another one of said set of scanning modes at intervals of a subfield or a subfield group.

Amendment Under 37 C.F.R. § 1.312
U.S. Patent Appln. S.N.: 10/801,638
SUGHRUE MION, PLLC Ref: Q80393

Claim 2 (previously presented): A display panel driving method according to claim 1, wherein each of said n display lines is sequentially scanned one by one in said addressing stage in each of at least two sub-fields in each of said sub-fields, while each of said n display line is scanned at intervals of k display lines (k is a natural number) in said addressing stage in each of the other sub-fields.

Claim 3 (currently amended): A display panel driving method for driving a display panel formed with a plurality of pixel cells serving as pixels on each of n display lines in accordance with an input video signal for providing a gradation display, said method comprising the step of:

performing an addressing stage for scanning each of said pixel cells formed on each of said n display lines from one display line to another to set said pixel cell into a light emission mode or a light extinction mode based on the input video signal, and a sustain stage for forcing only said pixel cells set in the light emission mode to emit light for a duration corresponding to said sub-field,

wherein

a set of scanning modes including a progressive scanning mode and a plurality of interlaced scanning modes which respectively have different numbers of skipping lines is prepared, and a scanning mode is changed from one of said set of scanning modes to another one of said set of scanning modes at intervals of a ~~subfield or a subfield~~ field or a field group.